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(54) Title: DERIVATIVES OF PYRIMIDO[6,1-a]ISOQUINOLIN-4-ONE

### (57) Abstract

Compounds of general formula (I) wherein each of R¹ and R² independently represents a C<sub>1-6</sub> alkyl or C<sub>2-7</sub> acyl group; R⁵ represents a hydrogen atom or a C<sub>1-6</sub> alkyl, C<sub>2-3</sub> alkenyl or C<sub>2-3</sub> alkynyl group; R⁶ represents a hydrogen atom or a C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, amino, C<sub>1-6</sub> alkylamino, di(C<sub>1-6</sub>) alkylamino or C<sub>2-7</sub> acylamino group; each of R³ and R³ independently represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy, C<sub>3-6</sub> cycloalkyl; and R³ represents a hydrogen or halogen atom or a hydroxy, trifluoromethyl, C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, C<sub>2-6</sub> alkynyl, C<sub>2-7</sub> acyl, C<sub>1-6</sub> alkythio, C<sub>1-6</sub> alkoxy or C<sub>3-6</sub> cycloalkyl group; X represents OCH₂ or a group CR³R⁴, wherein each of R³ and R⁴ independently represents a hydrogen atom or a C<sub>1-3</sub> alkyl group; each of R¹0 and R¹¹ independently represents a hydrogen atom, a C<sub>1-3</sub> alkyl, C<sub>3-6</sub> cycloalkyl or phenyl group; y represents an oxygen atom or a group CHNO₂, NCN, NH or NNO₂, n is an integer from 2 to 4; or a salt thereof; are useful for treatment of respiratory disorders such as asthma. Compounds of the invention have a longer duration of action than the known compound trequinsin bitter taste.